

SEQUENCE LISTING

(1) GENERAL INFORMATION

5

(i) APPLICANT:

- (A) NAME: I. N. S. E. R. M
- (B) STREET: 101 rue de Tolbiac
- (C) CITY: PARIS
- (E) COUNTRY: FRANCE
- (F) POSTAL CODE: 75654

10

(ii) TITLE OF INVENTION: Method of documenting NKR
immunoreceptors and NKR immunoreceptor counterparts

15

(iii) NUMBER OF SEQUENCES: 27

(iv) COMPUTER READABLE FORM

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0, Version
#1.30 (EPO)

20

25 (2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

30

(ii) MOLECULE TYPE: Other nucleic acid

35

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: p58.1 FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

AGTCGCATGA CCCAAGAC

18

(3) INFORMATION FOR SEQ ID NO: 2:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

10

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

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(C) INDIVIDUAL/ISOLATE: ITIM N-term BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CAACTGTGTG TATGTCAC

18

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(4) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

25

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

30

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: TM-ACT BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

35

GATGGTGAAA GGGATTTT

18

(5) INFORMATION FOR SEQ ID NO: 4:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 18 base pairs
 (B) TYPE: nucleotide
5 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: Other nucleic acid
(vi) ORIGINAL SOURCE:
10 (C) INDIVIDUAL/ISOLATE: p58.2 FOR
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
- GGTCCCATGA TGCAAGAC 18
- 15
- (6) INFORMATION FOR SEQ ID NO: 5:
- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 18 base pairs
20 (B) TYPE: nucleotide
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: Other nucleic acid
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- (vi) ORIGINAL SOURCE:
 (C) INDIVIDUAL/ISOLATE: ITIM N-term BACK
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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- CAACTGTGTA TATGTCAC 18
- (7) INFORMATION FOR SEQ ID NO: 6:
- 35 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 18 base pairs
 (B) TYPE: nucleotide
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

5 (C) INDIVIDUAL/ISOLATE: ITIM N-term BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CAACTGTGCA TATGTCAC

18

10

(8) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

15

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

20

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: ITIM N-term BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

25

CAACTGTGCG TATGTCAC

18

(9) INFORMATION FOR SEQ ID NO: 8:

30

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

35

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: p58.2 FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

5 GGTCCCATGA TGCAAGAC 18

(10) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

10 (A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

15 (ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: p70.FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

20 CCCGTGGTGA TCATGGTC 18

(11) INFORMATION FOR SEQ ID NO: 10:

25 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

30 (ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: ITIM N-term. FOR

35 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GTGACATACA CACAGTTG 18

(12) INFORMATION FOR SEQ ID NO: 11:

- 5 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: Other nucleic acid
10 (vi) ORIGINAL SOURCE:
(C) INDIVIDUAL/ISOLATE: ITIM N-term. FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

15 GTGACATACG CACAGTTG 18

(13) INFORMATION FOR SEQ ID NO: 12:

- 20 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
25 (ii) MOLECULE TYPE: Other nucleic acid
(vi) ORIGINAL SOURCE:
(C) INDIVIDUAL/ISOLATE: ITIM N-term. FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

30 GTGACGTACA CACAGTTG 18

(14) INFORMATION FOR SEQ ID NO: 13:

- 35 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

5 (C) INDIVIDUAL/ISOLATE: ITIM N-term. FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

GTGACGTACG CACAGTTG

18

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(15) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

15

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

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(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: Ext C-term BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

25

ACCTGACTGT CGTGCTCG

18

(16) INFORMATION FOR SEQ ID NO: 15:

(i) SEQUENCE CHARACTERISTICS:

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(A) LENGTH: 24 base pairs

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: p140.FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

ACCTACAGAT GTTATGGTTC TGTT

24

5 (17) INFORMATION FOR SEQ ID NO: 16:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 21 base pairs

(B) TYPE: nucleotide

10 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: NKG2A.FOR

15

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

TCTACATTAA TACAGAGGCA C

21

20 (18) INFORMATION FOR SEQ ID NO: 17:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: nucleotide

25 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

30 (C) INDIVIDUAL/ISOLATE: NKG2A/B/C. BACK

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

ATCTATAGAA AGCAGACT

18

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(19) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleotide
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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- (ii) MOLECULE TYPE: Other nucleic acid
- (vi) ORIGINAL SOURCE:
 - (C) INDIVIDUAL/ISOLATE: NKG2 B FOR

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- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

ATTCCCTCAC GTCATTGT 18

- (20) INFORMATION FOR SEQ ID NO: 19:

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- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleotide
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

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- (ii) MOLECULE TYPE: Other nucleic acid
- (vi) ORIGINAL SOURCE:
 - (C) INDIVIDUAL/ISOLATE: NKG2C. FOR

25

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

AGTAAACAAA GAGGAACCTT C 21

- 30 (21) INFORMATION FOR SEQ ID NO: 20:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleotide
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

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- (ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: NKG2D. FOR

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:

5

AGCAAAGAGG ACCAGGATTT A 21

(22) INFORMATION FOR SEQ ID NO: 21:

10

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 21 base pairs

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

15

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: NKG2D. BACK

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

CACAGTCCTT TGCATGCAGA T 21

(23) INFORMATION FOR SEQ ID NO: 22:

25

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: nucleotide

(C) STRANDEDNESS: single

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(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: 5' hCD56

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

ATCCACTACA CTGATGAC 18

(24) INFORMATION FOR SEQ ID NO: 23:

5 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

10 (ii) MOLECULE TYPE: Other nucleic acid
(vi) ORIGINAL SOURCE:
(C) INDIVIDUAL/ISOLATE: 3' hCD56

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

15 GTCGATGGAT GGTGAAGA 18

(25) INFORMATION FOR SEQ ID NO: 24:

20 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 23 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

25 (ii) MOLECULE TYPE: Other nucleic acid
(vi) ORIGINAL SOURCE:
(C) INDIVIDUAL/ISOLATE: 5' Actin

30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

TACCACTGGC ATCGTGATGG ACT 23

(26) INFORMATION FOR SEQ ID NO: 25:

35 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 23 base pairs
(B) TYPE: nucleotide

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other nucleic acid

5 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE: 3' Actin

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

10 TCCTTCTGCA TCCTGTCGGC AAT 23

(27) INFORMATION FOR SEQ ID NO: 26:

(i) SEQUENCE CHARACTERISTICS:

15 (A) LENGTH: 6 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

20 (ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(iv) ANTISENSE: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL/ISOLATE:

25

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26

Lys Ile Pro Phe Thr Ile

1

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(28) INFORMATION FOR SEQ ID NO: 27:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6 amino acids

35 (B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(iv) ANTISENSE: NO

(vi) ORIGINAL SOURCE:

5 (C) INDIVIDUAL/ISOLATE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27

Lys Leu Pro Phe Thr Ile

10

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SEQUENCE LISTING

<110> Vivier, Eric
Vely, Frederic

<120> DOCUMENTATION MEANS FOR REPERTOIRES OF
NKR IMMUNORECEPTORS AND/OR ACTIVATORY OR NON-INHIBITORY
IMMUNORECEPTOR COUNTERPARTS OF NKR IMMUNORECEPTORS

<130> A33131 PCT USA 067858.0101

<140> 09/529,759

<141> 2000-04-18

<150> FR 97/13115

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